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1 [Anomalies: Avoiding traceroute anomalies with Paris traceroute](#)



Brice Augustin, Xavier Cuvellier, Benjamin Orgogozo, Fabien Viger, Timur Friedman, Matthieu Latapy, Cl  mence Magnien, Renata Teixeira
October 2006 **Proceedings of the 6th ACM SIGCOMM on Internet measurement IMC '06**

Publisher: ACM Press

Full text available: [pdf\(193.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Traceroute is widely used, from the diagnosis of network problems to the assemblage of internet maps. However, there are a few serious problems with this tool, in particular due to the presence of load balancing routers in the network. This paper describes a number of anomalies that arise in nearly all traceroute-based measurements. We categorize them as "loops", "cycles", and "diamonds". We provide a new publicly-available traceroute, called *Paris traceroute*, which controls packet header ...

Keywords: load balancing, traceroute

2 [Data caching tradeoffs in client-server DBMS architectures](#)



Michael J. Carey, Michael J. Franklin, Miron Livny, Eugene J. Shekita
April 1991 **ACM SIGMOD Record , Proceedings of the 1991 ACM SIGMOD international conference on Management of data SIGMOD '91**, Volume 20 Issue 2

Publisher: ACM Press

Full text available: [pdf\(1.30 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Locating nearby copies of replicated Internet servers](#)



James D. Guyton, Michael F. Schwartz
October 1995 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '95**, Volume 25 Issue 4

Publisher: ACM Press

Full text available: [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we consider the problem of choosing among a collection of replicated servers, focusing on the question of how to make choices that segregate client/server